



CLAIMS

A position locating device for identifying the distance and direction from a first object located with a user to a second object comprising;

- a) a first electromagnetic signal transmitter for transmitting a first signal from the first object to the second object;
- b) a second electromagnetic signal transmitter for transmitting a second signal from the second object to the first object;
- c) a first receiver for enabling the first object to receive and decode the second signal from the second object;
- d) a second receiver for enabling the second object to receive and decode the first signal from the first object;
- e) activation means for activating the first transmitter;
- f) activation means for activating the second transmitter and enabling it to respond to the signal transmitted from the first transmitter;
- g) a plurality of microphones located at the first object for receiving and transmitting the second signal to the first receiver; and
- h) a processor for determining the location of the second object by analyzing the time at which each microphone received the second signal and the second signal's intensity.